

July 10, 2015

MEMORANDUM FOR: Distribution Email

FROM: Michelle Mainelli
Deputy Director, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #366 – Changed the vertical coordinate for the High Resolution Rapid Refresh Experimental (HRRRX) composite reflectivity since the experimental HRRR for WPC's current HMT experiment uses a different vertical coordinate than the operational version. Also, new model restore files were added for display in NMAP. Implemented on July 7 at 1700Z. (WPC)

RFC #367 – Updated source ID in NMAP image table for WPC – Modified the source id number for the Derived Satellite Products - CAPE, CINH, LI, TPW - to allow the value of 185 in the NMAP imgtyp.tbl file. Implemented on July 8 at 1900Z. (WPC)

RFC #368 – 72 hour Arctic Charts – Created a 72-hour Pacific Arctic surface chart at the urgent request of Alaska Region Headquarters for U.S. Bureau of Ocean Energy Management DSS briefings. This includes the scripts and table changes needed for the forecaster to create a starting vgf and create a gif image and disseminate that image on the OPC web page in an unlinked location. It also includes updates to monitoring scripts and web pages. Implementation will take place from July 9 through July 16. (OPC)

The following will be implemented the week of July 13, 2015:

RFC #369 – Update operational ERF Dynamic Display Tool scripts. To be implemented on July 13 at 1200Z. (CPC)

RFC #370 – Update to Verify_Product_Launch.pl script – Update script to improve popup notification messages to forecasters at their workstations, in the event an old product is detected at the NCO Silver Spring FTP site or on the OPC website. To be implemented on July 13 at 1130Z. (OPC)

RFC #371 – Add WPC QPF Options to NMAP - Add a NMAP restore file to display 168-hour by modifying a restore file displaying 72-hour WPC QPF to add more time steps. Also, modify the mod_res.tbl to use a different restore file to display 96-hour and 120-hour WPC QPF To be implemented on July 13 at 1200Z. (WPC)

RFC #372 – Add new 850mb streamline restore file - The WPC International Desk requested a new NMAP restore file to display the 850mb streamlines and isotachs without any color fill - contours only. This helps in overlaying this particular data field on other data. This change adds this new restore file and makes all streamline-related restore files available for the UKMET model. To be implemented on July 13 at 1200Z. (WPC)

RFC #373 – WPC QPF Issuance Time Changes - Implement changes to WPC QPF Issuance Times per NWS Service Change 15-29. The new deadlines will foster increased collaboration with RFCs and WFOs and ensure consistency with WPC Winter Weather Products. The change also adds a new 06/18 UTC "prelim" issuance of Day3 QPF, which will allow RFCs and WFOs to more easily view WPC Final Day3 products and make the Day3 products consistent with Day1 and Day2. To be implemented on July 15 at 1200Z. (WPC)

The following NCO RFCs to be implemented the week of July 13, 2015 may affect CPC, OPC, and/or WPC:

RFC #1082 – MADIS Feed to NIDS – NCO will be turning on the GSD MADIS feed from NIDS Production to NIDS Development for testing purposes. To be implemented on July 13 at 1400Z.

RFC #1092 – Send CPC GIFs to IDP - The DBNet software on WCOSS will be modified to begin sending GIFs for CPC's website from a new job being added to the production suite. SISB will also create the new directory mounts on IDP so CPC can use the data. To be implemented on July 14 at 1400Z.

RFC #1093 – CPC Compute Farm Puppet Updates – Updates to Puppet will be made to allow the users and mounts to be managed in Puppet. Currently only the packages on CPC CF servers are managed in Puppet. To be implemented on July 15 at 1400Z.

RFC #1090 – ECMWF MOS v1.0.1 – The initial European Centre for Medium-Range Weather Forecasts – Model Output Statistics (ECMWF-MOS) v1.0.1 will be implemented on WCOSS. The objective is to generate short-range and extended-range deterministic and ensemble ECMWF-MOS station guidance for 0000 and 1200 UTC cycles. Guidance will be available for temperature, dew

point, max/min temp, wind speed and direction, sky cover, probability of precipitation, quantitative precipitation forecast and precipitation type. Guidance will be internal to NWS only due to restrictions on the distribution of ECMWF data. To be implemented on July 14 at 1300Z.

RFC #1096 – WCOSS: SP5 Software Upgrade v5.0 - IBM will apply the Service Pack 5 software upgrade to the WCOSS systems. Included in this upgrade are changes to RHEL, GPFS, IBM PE, IBM xCAT and several other components. IBM software support has released its latest HPC software stack service pack and is urging all x86_64 based Infinisband HPC Cluster customers to apply it to maximize product support, and address some known system issues. To be implemented on Tide on July 16 through July 17. Gyre will be completed in August.

The following NCO RFC(s) are in progress and may affect the local Centers:

None

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncp-ncm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.